TECHNICIAN'S CHECKLIST
SECTION 610
ASPHALT-PAVEMENT PLANT MIX – GENERAL
International Roughness Index

PROJECT: _____ **REVIEW DATE:** _____
TECHNICIAN: _____ **REVIEWER:** _____

GENERAL:				
Study Specifications, Plans, and Special Provisions.				
The contractor shall:				
Select a location for calibration testing 0.10 miles in length. The location should be reasonably flat and measured and approved by the Engineer.				
Perform daily calibration procedures and record measurements and calibration settings in a calibration log book. Calibrations should include Distance measurement (within ±1.00 ft.), vertical displacement (within ±0.01181 inches), and accelerometer (within manufacturer's instructions which may include both a static dynamic test.).Calibration Log should include date of calibration, Instrument calibrated, measurement results, and any adjustments, in any, made to the equipment based on the results. Calibration testing should be done in the presents of the Engineer or his representative. A copy of the calibration log should be given to the Engineer each day.				
Reach the intended operating speed before entering the test section (the runup and runout distances should be sufficient to obtain the intended operating speed and to slow down after testing is complete).				
Provide IRI data in accordance with the most current version of ASTM E 1926.				
Provide a competent operator trained in the operation of the inertial profiler per AASHTO R 57.				
Provide the user selected inertial profiler settings to the Engineer or his representative for the project records.				
Provide equipment in good working condition.				
Remove all objects or foreign materials on the pavement prior to longitudinal pavement profile testing.				
Operate the profiler at the manufacturer's recommendations (The manufacturer's recommendation should be provided to the Engineer or his representative).				
Operate the Profiler at a speed which is constant within ±3mph of the intended speed.				
Operate the in the direction of the final traffic pattern.				
Collect IRI data from both wheel paths during the same run (it is permissible to collect data one wheel path at the time if each wheel path is tested and evaluated separately).				

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Mark the limits of structures and other special area to be excluded from testing using the profiler's event identifier.				
Perform all smoothness testing in the presents of the Engineer or his representative.				
Perform surface testing on the finished surface of the competed project, or at the completion of a major state of construction as approved by the Engineer.				
Coordinate with and receive authorization from the Engineer before starting smoothness testing.				
Perform all smoothness testing with 7 days after receiving authorization from the Engineer.				
After testing, transfer immediately the profile data, compatible with the latest version of ProVAL, from the profiler portable computer's hard drive to a write once storage media (DVD-R or CD-R) or electronic media approved by Engineer. The media approved will not be returned.				
Label the electronic media with the project number, route, file number, date, operator, and termini of the profile data.				
Submit report data and documentation of the evaluation for each section to the Engineer within 10 days after completion of the smoothness testing. See the example below. (The evaluation should be done in tabular form with each 0.10 mile segment occupying a row. Include each row with the beginning and ending station for the section, the length of the section, the original IRI values from each wheel path, and the MRI value for the section. Each continuous run for a section will occupy a separate table and each table will include a header with Project No., County, Roadway designation, lane designation, JMF used on final layer, dates of the smoothness testing, and the beginning and ending stations of the continuous run. Summarize each table at the bottom.)				
The Engineer or his Representative shall:				
Study Specifications, Plans, and Special Provisions.				
Witness all daily calibration testing.				
Coordinate daily testing schedules.				
Note daily calibration testing has been done in the Daily Inspector's Diary.				
Observe area before smoothness testing begins to see that all objects or foreign materials on the pavement prior to longitudinal pavement profile testing have been removed.				
Observe all smoothness testing.				

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Observe the operator to see that he/she are keeping a steady line in the lane.				
Retrieve data from the operator at the conclusion of smoothness testing on the approved media.				
The Engineer should acquire a copy of the latest version of ProVAL software so as to check Contractor's figures.				
Record in diary all conversations, observations, spot checks made, and work performed.				

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ACTION:	YES	NO	N/A	COMMENTS:
GENERAL:				
Study Specifications, Plans, and Special Provisions.				
The contractor shall:				
Select a location for calibration testing 0.10 miles in length. The location should be reasonably flat and measured and approved by the Engineer.				
Perform daily calibration procedures and record measurements and calibration settings in a calibration log book. Calibrations should include Distance measurement (within ±1.00 ft.), vertical displacement (within ±0.01181 inches), and accelerometer (within manufacturer's instructions which may include both a static dynamic test.).Calibration Log should include date of calibration, Instrument calibrated, measurement results, and any adjustments, in any, made to the equipment based on the results. Calibration testing should be done in the presents of the Engineer or his representative. A copy of the calibration log should be given to the Engineer each day.				
Reach the intended operating speed before entering the test section (the runup and runout distances should be sufficient to obtain the intended operating speed and to slow down after testing is complete).				
Provide IRI data in accordance with the most current version of ASTM E 1926.				
Provide a competent operator trained in the operation of the inertial profiler per AASHTO R 57.				
Provide the user selected inertial profiler settings to the Engineer or his representative for the project records.				
Provide equipment in good working condition.				
Remove all objects or foreign materials on the pavement prior to longitudinal pavement profile testing.				